

Suril Purohit

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PROFESSIONAL SUMMARY

Highly skilled research Engineer with expertise in designing and deploying scalable data pipelines, integrating big data technologies, and advancing AI driven solutions. Proficient in deep learning frameworks like TensorFlow, modern data engineering practices, and distributed systems. Experienced in developing explainable solutions, and working in Agile environments to deliver transformative, data-driven innovations. Passionate about leveraging AI for FinTech and driving business transformations.

EXPERIENCE

LTIMindtree

Mumbai, India

Senior Engineer

June 2023 - Nov 2023

- Led comprehensive modernization of legacy EPKG System utilizing innovative technologies; refactored 100,000+ lines of code using Python, resulting in 40% performance improvement and 60% reduction in maintenance costs.
- Designed, debugged, and deployed robust machine learning models using TensorFlow, incorporating advanced techniques in model optimization, hyperparameter tuning, and data preprocessing to enhance accuracy and scalability, ensuring adaptability to evolving business needs and delivering measurable performance improvements.
- Migrated and optimized 5+ years of historical data into Oracle DB, significantly enhancing data integrity and improving query response time by 50%, implemented critical modifications to meet evolving business requirements
- Received formal recognition from senior management for timely delivery, and substantial impact on business.

Engineer

June 2021 - May 2023

- Delivered AI-driven solutions using python, designed backend architectures adhering to design patterns, facilitating scalable solutions and integrating backend systems with advanced Redis caching for real-time performance gains.
- Utilized agile methodology to manage ongoing modifications and bug fixes, maintaining a 98% on-time delivery rate for sprints and reducing critical issues by 75% within the first 6 months of deployment.
- Led a cross-functional team of 12 developers, fostering collaboration between Siemens and Airbus stakeholders; achieved a 99.9% system uptime and received a commendation from the client for exceptional project execution.

TECHNICAL SKILLS

Languages: Python, SQL, Java, C# — **Tools and Framework:** PowerBI, Spark, Django, Airflow, Git, Docker

Cloud: Microsoft Azure, Google Cloud — Deep Learning, Natural Language Processing, Azure Certified

RELEVANT PROJECTS

Ambar Virtual Assistant (AVA) - [Paper] Python, Django, Node, Vue.js, Kafka, Alexa Skills, OpenCV

- Designed a 24/7 AI-powered banking assistant with scalable, robust, and explainable AI capabilities, reducing customer wait times by 15 minutes and minimizing human intervention errors through innovative technologies.
- Published findings and implementation strategies at IEEE conference, contributing to the broader research and professional community while showcasing the impact of AI-powered solutions on financial inclusion.

Uber End-to-End Project - [Code] Python, SQL, ETL, GCP, BigQuery, Looker, Power BI, Tensorflow, Git

- Built a data pipeline, processing over 1 million records using Python and SQL, with outputs stored in BigQuery.
- Integrated TensorFlow models to develop predictive analytics dashboards optimizing decision-making by 30%.

Global News Bot - [Code] Python, ETL, RASA, News API, React, OpenAI API, Jenkins

- Engineered Global News Bot by seamlessly integrating RASA's conversational AI framework with Large Language Models, delivering comprehensive and real-time news coverage from over 10 diverse countries across multiple continents. The system processes news from reputable sources, ensuring a wide-ranging global perspective.
- Leveraged OpenAI's advanced natural language processing capabilities to deliver headlines with 95% accuracy.

EDUCATION

Post-Graduate Diploma, Artificial Intelligence and Machine Learning

Toronto, Canada

Lambton College

Jan 2024 - Aug 2025

- Technical Lead @Google developers' group - encouraging and mentoring students to build better coding habits.

Bachelor of Technology in Information Technology

Mumbai, India

University of Mumbai

July 2017 - June 2021